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THE CRANE-FLIES OF NORTH AMERICA.*—Another of the useful entomological works issued by the Smithsonian Institution, is Baron Osten Sacken's elaborate Monograph of the North American Tipulidæ (or Crane-flies), with short palpi, comprising the smaller species of the family; the true Tipulids comprising the well-known crane-flies so abundant in our gardens and fields. This work, destined, we judge, to be a classic in American entomological literature, is useful not only as containing descriptions of all our known crane-flies, but as a model of the mode of monographing a group of animals; and for patient research, thorough treatment and the new mode of illustration (heliographs by Egloffstein's patent) is one of the most important works on insects published during the past year in any language. It will be noted at greater length in the "Record of American Entomology" soon to be published.

REVISION OF THE LARGE, STYLATED, FOSSORIAL CRICKETS.—In the first number of the *Memoirs of the Peabody Academy of Science*,† Mr. S. H. Scudder has brought under review all the species of the palmated crickets known to him, with the exception of the smaller forms. The descriptions of the species are carefully prepared, and each description is accompanied with a full table of measurements of several specimens. The plate contains a full-sized figure of *Gryllotalpa australis*, from New Holland, a species never before figured; and thirty-seven details of forelegs and wing-covers of the different species.

The author has prefaced his own descriptions with a full list of the various writers on the group, with remarks on the species mentioned by each. The Mole Crickets which are furnished with but two dactyls on the fore tibia, he places together as forming a new genus, to which he gives the name of *Scapteriscus*, while for those having four dactyls, he retains the old generic name of *Gryllotalpa*.

THE NOXIOUS INSECTS OF MISSOURI.‡—This first report of the State Entomologist is exceedingly creditable both to the author and the State which has so liberally fostered the study of economical entomology. Farmers and gardeners throughout the country will find it a very readable book, and entomologists will glean many new facts from its pages. The chapter on Cutworms, Bark-lice, the Plum-curculio, the Seventeen-year Cicada, the Potato-beetles and the Bot-fly of the sheep, are of especial interest.

We learn that the State of Missouri has acknowledged the value of the study of practical entomology, by the appropriation of \$3000 to pay the salary of the Entomologist for the present year. In such a liberal provi-

* Monographs of the Diptera of North America, Part. IV. (Smithsonian Miscellaneous Collections, 219). Prepared for the Smithsonian Institution by Baron Osten Sacken. Washington, Jan., 1869. 8vo, pp. 345, 4 plates.

† Imperial 8vo, 32 pages and steel plate; tinted paper. Salem: Essex Institute Press. March, 1869. Price \$1.25.

‡ First Annual Report on the Noxious, Beneficial and other Insects of the State of Missouri. By Charles V. Riley, State Entomologist. Jefferson City, 1869. 8vo, pp. 190, with two colored lithographic plates and ninety-eight cuts, \$2.00; with plain plates \$1.00.